

**TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT  
BEFORE MAILING DATE OF FINAL OFFICE ACTION OR NOTICE OF ALLOWANCE**  
Attorney Docket No.: GR1-2790-U

**CERTIFICATE OF HAND  
DELIVERY**

I hereby certify that this paper, (along with any paper referred to as being attached or enclosed) are being HAND DELIVERED to Examiner P. Chin, Group 1700, Group Art Unit 1731, (Phone No.: 703-308-0651) at the Patent and Trademark Office, Washington, D.C., on the date shown below.

*R. Reams Goodloe,*  
Signature  
R. Reams Goodloe, Jr.  
Print Name

Date: March 24, 2003

**IN THE UNITED STATES**

**PATENT AND TRADEMARK OFFICE**

Confirmation No.: 7157

Applicant: MATHUR, Vijay K.  
Serial No.: 09/649,413

Filed: August 26, 2000

Title: MULTI-PHASE CALCIUM SILICATE  
HYDRATES, METHODS FOR THEIR  
PREPARATION, AND IMPROVED PAPER  
AND PIGMENT PRODUCTS PRODUCED  
THEREWITH

TECHNOLOGY CENTER 200  
MARCH 24, 2003  
GROUP 1700  
ART UNIT 1731  
EXAMINER P. CHIN

RECEIVED

Commissioner for Patents  
Washington, D.C. 20231

**TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT BEFORE  
MAILING DATE OF EITHER A FINAL OFFICE ACTION OR  
NOTICE OF ALLOWANCE (37 C.F.R. § 1.97(c))**

The Information Disclosure Statement submitted herewith is being filed after the mailing date of the first Office action on the merits, but before the mailing date of either:

- (1) a final action under § 1.113 or
- (2) a notice of allowance under § 1.311,

whichever event occurs first.

TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT  
BEFORE MAILING DATE OF FINAL OFFICE ACTION OR NOTICE OF ALLOWANCE  
Attorney Docket No.: GR1-2790-U

Accompanying this transmittal is the fee set forth in  
37 C.F.R. § 1.17(p) for submission of an Information  
Disclosure Statement under 1.97(c) (\$180.00).

A duplicate copy of this transmittal is attached.

Respectfully submitted,



SIGNATURE OF ATTORNEY

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INFORMATION DISCLOSURE STATEMENT  
Attorney Docket No. GR1-2790-U

IN THE UNITED STATES  
PATENT AND TRADEMARK OFFICE

#8

Confirmation No.: 7157  
Applicant: MATHUR, Vijay K.  
Serial No.: 09/649,413  
Filed: August 26, 2000  
Title: MULTI-PHASE CALCIUM SILICATE HYDRATES, METHODS FOR THEIR PREPARATION, AND IMPROVED PAPER AND PIGMENT PRODUCTS PRODUCED THEREWITH  
Art Unit: 1731  
Examiner P. Chin

Commissioner for Patents  
Washington, D.C. 20231

RECEIVED  
MAR 24 2003  
TECHNOLOGY CENTER 1700

**INFORMATION DISCLOSURE STATEMENT**

Sir:

The following sections are being submitted for this Information Disclosure Statement:

1.  Preliminary Statements.
2.  Time of Filing.
3.  FORMS PTO/SB08a and 08B (formerly FORM PTO 1449).
4.  Identification of Prior Application in Which Listed Information was Already Cited and for Which No Copies Are Submitted or Need to be Submitted.
5.  Cumulative Patents or Publications.
6.  Copies of Listed Information Items Accompanying This Statement.
7.  Translation(s) of Non-English Language Documents.
8.  Identification of Person(s) Making This Information Disclosure Statement.

**CERTIFICATE OF HAND DELIVERY**

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being hand delivered to Examiner P. Chin, Group 1700, Group Art Unit 1731 (Phone No.: 703-308-0651) at the Patent and Trademark Office, Washington, D.C., on 24th day of March, 2003..

*R. Reams Goodloe Jr.*

R. REAMS GOODLOE, JR.

INFORMATION DISCLOSURE STATEMENT  
Attorney Docket No. GR1-2790-U

**1. Preliminary Statements**

Applicant submits herewith patents, publications and other information of which he is aware which he believes may possibly be material to the examination of this application and in respect of which there may be a duty to disclose.

The filing of this information disclosure statement shall not be construed as a representation that a search has been made (37 CFR § 1.197(g)), an admission that the information cited is, or is considered to be, material to patentability, (37 CFR § 1.97(h) or that no other material information exists.

The filing of this information disclosure statement shall not be construed as an admission against interest in any manner. Notice of January 9, 1992, 1135 O.G. 13-25, at 25.

If documents are disclosed that, based on date of publication, may not be prior art to the applicant, then such publications are merely offered for consideration with respect to the state of development of the art, and shall in no way be considered as admissions against interest in any manner.

**2. Time of Filing**

This Information Disclosure Statement is filed before the mailing date of a final office action or notice of allowance. (37 CFR § 1.97(c)(2)).

**3. Forms PTO/SB/08A and 08B (formerly Form PTO 1449)**

See attached PTO Form SB-08A - Citation in Application.

**4. Identification of Prior Application In Which Listed Information Was Already Cited and for Which No Copies are Submitted or Need to be Submitted.**

This application relies, under 35 USC § 120, on the earlier filing date of prior application \_\_\_\_\_, filed on \_\_\_\_\_.

INFORMATION DISCLOSURE STATEMENT  
Attorney Docket No. GR1-2790-U

- This application also relies, under 35 USC sec 120, on the earlier filing date of prior application \_\_\_\_\_, filed on \_\_\_\_\_.
- Therefore, references which were submitted to, and/or cited by, the Office in the prior application(s) are not required to be provided in this application, in accord with 37 C.F.R. 1.98 (d).

**5. Cumulative Patents or Publications**

- Statement \_\_\_\_\_ is cumulative of the following patents or publications listed on Forms PTO/SB/() 8A and 08B (formerly PTO-1449).

In accordance with 37 CFR § 1.98(c), a copy of only \_\_\_\_\_ is being submitted with this Information Disclosure Statement.

**6. Copies of Listed Information Items Accompanying This Statement**

Legible copies of all items listed in Forms PTO/SB/08A and 08B (formerly Form PTO 1449) accompany this Information Disclosure Statement.

A copy of the International Search Report in the companion PCT case - International Application No.:PCT/US00/23506.

A copy of the European Patent Office Search Report in the companion PCT case - International Application No.:PCT/US00/23506.

- Exceptions to the above:

- Items which were disclosed in the prior application, from which an earlier filing date is claimed for this application, as identified in Section 4; such items not submitted are marked by an "\*" asterik on PTO Form SB/08A (formerly PTO Form 1449).
- Cumulative patents or publications identified in Section 5.

INFORMATION DISCLOSURE STATEMENT

Attorney Docket No. GR1-2790-U

**7. Translation(s) of Non-English Language Documents**

German patent DE 3625254 A1 is not translated into the English language. A written English language translation is not within the possession, custody or control of any individual designated in Section 1.56(c).

WIPO Publication WO 84/02727 contains only the abstract in the English language. The WIPO publication is not translated into the English language. A written English language translation is not within the possession, custody or control of any individual designated in Section 1.56(c).

**8. Identification of Person(s) Making This INFORMATION  
DISCLOSURE STATEMENT**

The person making this statement is the practitioner who signs below on the basis of the information supplied by the inventors and information in the practitioner's file, all of which have been reviewed by the practitioner.

Respectfully submitted,

  
R. Reams Goodloe  
\_\_\_\_\_  
**SIGNATURE OF PRACTITIONER**

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Phone: 253-859-9128  
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98030-8285

Substitute for form 1449 A/PTO

Complete if Known

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

Sheet: 1 of 5

Application Number	09/649,413
Filing Date	August 26, 2000
First Named Inventor	Mathur, Vijay K.
Art Unit	1731
Examiner Name	Chin, P.
Attorney Docket Number	GR1-2790-U

**U.S. PATENT DOCUMENTS**

EXAMINER INITIALS*	CITE NO. <sup>1</sup>	DOCUMENT NUMBER Number Kind Code <sup>2</sup>	PUBLICATION DATE MM-DD-YYYY	NAME OF PATENTEE OR APPLICANT OF CITED DOCUMENT	PAGES, COLUMNS, LINES, WHERE RELEVANT PASSAGES OR RELEVANT FIGURES APPEAR
		1,574,363	02/23/1926	Calvert	
		1,851,413	03/29/1932	Thomson	
		1,942,989	01/09/1934	Thomson	
		2,204,113	06/11/1940	Allen	
		2,215,891	09/24/1940	Thomson et al	
		2,215,892	09/24/1940	Thompson, et al	
		2,534,303	12/19/1950	Serinis	
		2,547,127	04/03/1951	Kalousek	
		2,665,996	01/23/1954	Kalousek	
		2,786,757	03/26/1957	Taylor	
		2,786,758	03/26/1957	Taylor	
		2,888,377	05/26/1959	Allen	
		2,935,437	05/03/1960	Taylor	
		2,943,970	07/05/1960	Allen	
		2,995,422	08/08/1961	Atkinson, et al	
		3,033,648	05/08/1962	Vander Linden	TECHNICAL DIVISION RECEIVED JULY 24 2003 U.S. PATENT AND TRADEMARK OFFICE RECEIVED JULY 24 2003 U.S. PATENT AND TRADEMARK OFFICE
		3,034,913	05/15/1962	Gosta	
		3,052,563	09/04/1962	Vanderlinden	
		3,131,024	04/28/1964	Leineweber	
		3,190,789	06/22/1965	Taylor	
		3,257,220	06/21/1966	Kalousek, et al	
		3,264,130	08/02/1966	Mays	

EXAMINER SIGNATURE	DATE CONSIDERED

EXAMINER\*: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04.<sup>3</sup> Enter Office that issued the document, by the two letter code. <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. <sup>6</sup>Applicant is to place a check mark here if English language translation is attached.

SEND COMPLETED FORMS TO: Assistant Commissioner for Patents, Washington, D.C. 20231.

Substitute for form 1449 A/PTO

Complete if Known

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

Sheet: 2 of 5

Application Number	09/649,413
Filing Date	August 26, 2000
First Named Inventor	Mathur, Vijay K.
Art Unit	1731
Examiner Name	Chin, P.
Attorney Docket Number	GR1-2790-U

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		3,352,746	11/14/1967	Williams	
		3,597,253	08/03/1971	Beschke, et al	
		3,660,021	05/02/1972	Olmsted, et al	
		3,679,446	07/25/1972	Kubo	
		3,804,652	04/16/1974	Laidlier, et al	
		3,806,585	04/23/1974	Takahashi, et al	
		3,816,149	06/11/1974	Zettel	
		3,835,216	09/10/1974	Almagro, et al	
		3,928,539	1/23/1975	Satoh, et al	
		3,998,650	12/21/1976	Schmitt-Henco, et al	
		4,026,721	05/31/1977	Kurrie	
		4,072,537	02/07/1978	Kurrie	
		4,117,191	09/26/1978	Kurrie	
		4,118,227	10/03/1978	Shiohara, et al	
		4,124,439	11/07/1978	Dessauer	
		4,162,924	07/31/1979	Kubo, et al	
		4,181,567	01/01/1980	Riddel, et al	
		4,243,429	01/06/1981	Tamura, et al	
		4,260,454	04/07/1981	Wason, et al	TECHNOLOGY CENTER 1400
		4,277,457	07/07/1981	Taga, et al	1400
		4,294,810	10/13/1981		RECEIVED
		4,298,386	11/03/1981	Kubo, et al	1400

EXAMINER SIGNATURE	DATE CONSIDERED	RECEIVED
		NOV 12 2000

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**INFORMATION DISCLOSURE  
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Sheet: 3 of 5

Application Number	09/649,413
Filing Date	August 26, 2000
First Named Inventor	Mathur, Vijay K.
Art Unit	1731
Examiner Name	Chin, P.
Attorney Docket Number	GR1-2790-U

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		4,330,519	05/18/1982	Takahashi, et al	
		4,402,892	09/06/1983	Helser	
		4,422,880	12/27/1983	Wason, et al	
		4,432,804	02/21/1984	Tamura, et al	
		4,529,508	07/16/1985	Cain, Jr. et al	
		4,545,970	10/08/1985	Krijgsman	
		4,557,916	12/10/1985	Withiam	
		4,629,508	12/16/1986	Cain, Jr. et al	
		4,668,300	05/26/1987	Miller	
		4,780,180	10/25/1988	Take et al	
		4,812,299	03/14/1989	Wason	
		4,853,351	08/01/1989	Takashaski, et al	
		4,965,452	10/23/1990	Sturm	
		5,098,520	03/24/1992	Begala	
		5,127,995	07/07/1992	Wason	
		5,279,663	01/18/1994	Kaliski	
		5,344,487	09/06/1994	Whalen-Shaw	TECHNOLOGY CENTER 1700
		5,352,287	10/04/1994	Wason, et al	REC'D MAR 24 2003
		5,370,852	12/06/1994	Ikawa, et al	REC'D MAR 24 2003
		5,591,256	01/07/1997	Freeman, et al	REC'D MAR 24 2003
		5,750,038	05/12/1998	Tsunematsu, et al	REC'D MAR 24 2003
		5,814,143	09/29/1998	Freeman, et al	REC'D MAR 24 2003
		5,916,420	06/29/1999	Wurster, et al	REC'D MAR 24 2003

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Sheet: 4 of 5

Application Number	09/649,413
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First Named Inventor	Mathur, Vijay K.
Art Unit	1731
Examiner Name	Chin, P.
Attorney Docket Number	GR1-2790-U

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		5,989,714	11/23/1999	Drummond	
		* 6,030,704	02/29/2000	Wilshaw, et al	
		* 20020040773A1	04/11/2002	Matsuda, et al	
		* 6,413,373	07/02/2002	Matsuda, et al	

**FOREIGN PATENT DOCUMENTS**

EXAMINER INITIALS	CITE NO. <sup>1</sup>	FOREIGN PATENT DOCUMENT Office <sup>3</sup> Number <sup>4</sup> Kind <sup>5</sup>	PUBLICATION DATE MM-YYYY	NAME OF PATENTEE OR APPLICANT OF CITED DOCUMENT	PAGES, COLUMNS, LINES, WHERE RELEVANT PASSAGES OR RELEVANT FIGURES APPEAR	T
		566,191	11/1958	Canada		
		601,124	07/1960	Canada		
		601,158	07/1960	Canada		
		653797	12/1962	Canada		
		► 656411	01/1963	Canada		
		666992	07/1963	Canada		
		712,964 ✓	07/1965	Canada		
		712965 ✓	07/1965	Canada		
		2516097 ✓	12/1975	Germany		
		991826 ✓	06/1976	Canada		
		1129575 ✓	08/1982	Canada		
		► WO 8402727 ✓	07/1984	WIPO		
		DE 3306528 A1	07/1984	Germany		
		DE 3625254 A1	01/1987	Germany		

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► Previously cited by the Examiner in Office Action dated November 25, 2002 (prior art not attached).

\* The above documents as disclosed, based on date of publication, is not prior art to the applicant. Such publication is merely offered for consideration with respect to the state of development of the art, and shall in no way be considered as an admission against interest in any manner.

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<sup>3</sup> Enter Office that issued the document, by the two letter code. <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. <sup>6</sup> Applicant is to place a check mark here if English language translation is attached.

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Filing Date	August 26, 2000
First Named Inventor	Mathur, Vijay K.
Art Unit	1731
Examiner Name	Chin, P.
Attorney Docket Number	GR1-2790-U

## **OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS**

<b>EXAMINER SIGNATURE</b>		<b>DATE CONSIDERED</b>	
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